

Recombinant Mouse B4galt5 Protein, Myc/DDK-tagged

Cat. No. B4galt5-1810M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 (B4galt5), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer). LacCer is the starting point in the biosynthesis of all gangliosides (membrane-bound glycosphingolipids) which play pivotal roles in the CNS including neuronal maturation and axonal and myelin formation. Plays a role in the glycosylation of BMPR1A and regulation of its protein stability. Essential for extraembryonic development during early embryogenesis.
Molecular Mass	45.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris-HCl, pH 7.3, 100 mM glycine, 10% glycerol

Full Length Full L.

GENE INFORMATION

Gene Name B4galt5 UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 [*Mus musculus* (house mouse)]

Official Symbol B4galt5

Synonyms B4GALT5; UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5; beta-1,4-galactosyltransferase 5; b4Gal-T5; beta4Gal-T5; beta-1,4-GalT II; beta-1,4-GalTase 5; beta-1,4-galactosyltransferase V; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 5; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 5; AW049941; AW539721; 9430078I07Rik

Gene ID 56336

mRNA Refseq NM_019835

Protein Refseq NP_062809

UniProt ID Q9JMK0

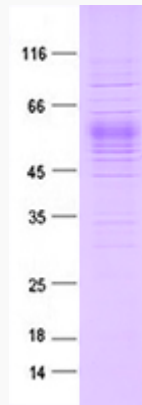
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SDS-PAGE



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